



ACTAS BTT2.0



High-precision, battery-operated timing analyser

ACTAS BTT 2.0 is a battery-operated, hand-held measuring device which can determine operating times, contact synchronicity, sequence time and coil currents extremely quickly and easily. Thanks to this extensive functionality and its high measurement accuracy, ACTAS BTT 2.0 can be put to a wide range of different uses when measuring the operating times of low-, medium- and high-voltage switchgear devices, relay contacts, contactors and switch disconnectors, to mention but a few applications.

- Determination of operating times
- Test for contact synchronicity
- Determination of CO sequence time
- Measurement of coil currents
- Compact, ergonomic design
- Battery operation for up to 18 hours
- Easy-to-read graphical display
- Status display for inputs and outputs
- Bluetooth incl. remote control function

www.kocos.com

KoCoS
A FRIEND OF ENERGY

Determination of operating times

ACTAS BTT 2.0 features one output for controlling the OPEN coils and one output for controlling the CLOSE coils of a switchgear device. Both outputs can be used to control DC- and AC-operated coils. The determination of operating times can be carried out simply and reliably on up to three main contacts by triggering C, O and CO switching operations. The clear graphical display shows the corresponding operating times for all the binary inputs as the result.

Test for contact synchronicity

As well as determining the operating times, ACTAS BTT 2.0 also establishes the synchronicity of the opening and closing operations of the main contacts.

When assessing a switchgear device, for example, this allows determination of the time interval between the first and last contact touch of the poles during a closing or opening operation in a three-phase grid.

Measurement of coil currents

The coil current is measured automatically during the measurement of the operating times. Both the mean and the peak value are displayed as the result, allowing assessment of the mechanical and/or electrical functioning of the release coils.

Protected inputs and outputs

The inputs and outputs are galvanically isolated and protected against overvoltage. The outputs are also protected against overload and overheating.

Real-time display

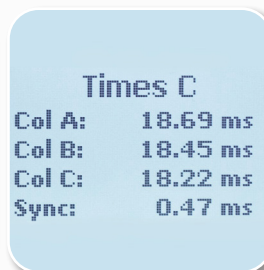
All the inputs and outputs of the device are controlled in real time and their status is shown on the display.

Check for the control voltage of the switchgear device

The integrated monitoring unit indicates whether the control voltage is applied to the CLOSE and OPEN coils of the switchgear device. Incorrect connection of the measuring device or faulty cables are also reliably detected in this way.



Operated via app



Compact, ergonomic design

Thanks to its compact, ergonomic design, the measuring device can be held and operated with just one hand. Acoustic signals and a graphical display which is even easy to read in direct sunlight make the device user-friendly.

Easy operation

The measuring device features dedicated keys for each test mode. The ergonomic arrangement of the keys makes for optimum handling, measurements can be carried out quickly and easily. ACTAS BTT 2.0 is designed for stand-alone operation or for operation with a smartphone. Test reports can be generated, saved and sent using a smartphone.

Battery operation for up to 18 hours

ACTAS BTT 2.0 is supplied with power by means of integrated rechargeable batteries which provide continuous operation for up to 18 hours.

The charging status of the batteries and the charging process itself are monitored with a microprocessor. The device can be operated during charging.



ACTAS BTT_{2.0}

Complete with accessories and bag

A comprehensive range of accessories with all necessary cables, adapters and clamps is already included in the scope of delivery. The accessories and measuring device are stored in a sturdy, padded carrying bag, which is also included in the scope of delivery.



Technical data

IGBTs for controlling the release coils	Voltage	300 VAC/DC
	Current	20 A
	Accuracy	< 0.1 ms
Voltage detector	300 V AC/DC	
Control outputs	Main contacts	3
	Auxiliary inputs	1
	Resolution	0,1 ms
	Accuracy	< 0,1 ms
Binary inputs	Measuring range	20 A
	Resolution	10 mA
	Accuracy	0.05 % of range
Coil current	1 x control outputs coils	
	1 x binary inputs main contacts/AUX	
Connection sockets	Control panel with graphical display, one-handed operation, separate key for each test mode	
User interfaces	Bluetooth / Android / IOS	
Communication	Wide range input 9 - 30 VDC External power supply 24 VDC, 15 W	
Power supply	Microprocessor-controlled monitoring Battery life for up to 18 hours	
Integrated batteries	100 x 230 x 35 mm (W x H x D)	
Dimensions	0.3 kg	
Weight	IP51	
Measuring device	-5...50°C	
Protection	5...95 % non-condensing	
Ambient temperature		
Relative humidity		

KoCoS Messtechnik AG

Südring 42

34497 Korbach, Germany

Tel. +49 5631 9596-40

info@kocos.com

www.kocos.com

KoCoS
A FRIEND OF ENERGY